"PATENT"

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
LESTER F. LUDWIG))
SERIAL NO.: UNKNOWN) Group No: UNKNOWN)
FILED: September 30, 2003) Examiner: UNKNOWN)
FOR: EXTENSIONS AND GENERALIZATIONS OF THE PEDAL STEEL GUITAR))
Commissioner for Patents Post Office Box 1450 Alexandria, Virginia 22313-1450	
Sir:	

INFORMATION DISCLOSURE STATEMENT

Applicant hereby cites the documents listed in accompanying Form PTO/SB/08A with respect to the above-referenced patent application under the provisions of 37 CFR, §§ 1.56, 1.97 and 1.98. With one exception, the documents listed on this Form are issued U.S. patents or published U.S. patent applications, or have been made of record in parent applications Nos. 09/812,400 and 09/313,533. Accordingly, Applicant is not submitting duplicate copies of these documents, but requests that they be listed on the face of any patent granted on the above application (See 1138 TMOG 39, second column, last paragraph, last sentence). Foreign patent application, listed as document B1, is a newly submitted reference and a copy of such is enclosed. The filing of this Information Disclosure Statement will not be construed to mean that a search was conducted or that no other material information, as defined by 37 CFR 1.56, exists.

The Examiner is respectfully requested to make the listed documents of record in connection with the prosecution of the subjection application.

By:

Respectfully submitted,

LESTER F. LUDWIG

Geffrey J. Lotspeich Attorney for Applicant Registration No. 45,737

THE MAXHAM FIRM

A PROFESSIONAL LAW CORPORATION SYMPHONY TOWERS 750 "B" STREET, SUITE 3100 SAN DIEGO, CALIFORNIA 92101 TELEPHONE: (619) 233-9004 FACSIMILE: (619) 544-1246 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute	e for form 1449A/PTC	,			Complete if Known
				Application Number	
INFO	RMATION	DIS	CLOSURE	Filing Date	September 30, 2003
STAT	TEMENT B	ΥΑ	PPLICANT	First Named Inventor	Lester F. Ludwig
				Group Art Unit	
	(use as many she	ets as	necessary)	Examiner Name	
Sheet	1	of	13	Attorney Docket Number	2738-21

			U.S. PATENT	DOCUMENTS	
Examiner Initials *	Cite No.1	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevan Passages or Relevant Figures Appear
	A1	US-1,947,020	02-13-1934	Ranger	
	A2	US-3,493,669	02-03-1970	Elbrecht et al.	
	A3	US-3,591,699	07-06-1971	Cutler	
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Examiner Initials*		Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines,						
	Cite No.1	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T⁵					
	B1	EP-0 574 213-A1	12-15-1993	Synaptics, Inc.							

Examiner Signature	Date Considered		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute	NFORMATION DISCLOSURE				Complete if Known	
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INFO	RMATION	DIS	CLOSURE	Filing Date	September 30, 2003	
STA	TEMENT BY	Υ ΑΙ	PPLICANT	First Named Inventor	Lester F. Ludwig	
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Sheet	2	of	13	Attorney Docket Number	2738-21	

			U.S. PATENT	OCUMENTS	
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	A21	US-4,365,533	12-28-1982	Clark, Jr. et al.	
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	Substitut	e for form 144	9A/PTO			Complete if Known			
					Application Number				
	INFORMATION DISCLOSURE				Filing Date	September 30, 2003	·		
	STA	TEMEN	T BY A	PPLICANT	First Named Inventor	Lester F. Ludwig			
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			U.S. PATENT	OCUMENTS	
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	Application Number		
INFORMATION DISCLOSURE	Filing Date	September 30, 2003	
STATEMENT BY APPLICANT	First Named Inventor	Lester F. Ludwig	

Group Art Unit

INFO STATEMENT BY APPLICANT

Sheet

(use as many sheets as necessary) **Examiner Name** 2738-21 of 13 Attorney Docket Number

	1	Document Number		Name of Patentee or Applicant of		
Examiner Initials *	Cite No. ¹	Cite	Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Cited Document	Pages, Columns, Lines, Where Relevan Passages or Relevant Figures Appear
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Sheet	5	of	13	Attorney Docket Number	2738-21		

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
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	C10	Boss OC-2 Service Manual, Roland Corporation, 7200 Dominion Circle, Los Angeles 90040-3696, CA, USA.	
	C11	Boss SE-70 Super Effects Processor Algorithm Guide, Roland Corporation, 7200 Dominion Circle, Los Angeles, CA 90040-3696, USA.	

Examiner	Date	
Signature	Considered	

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Substitut	te for form 1449A/PTO			Complete if Known		
11.156		NOOL OCUDE	Application Number			
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STA	TEMENT BY	APPLICANT	First Named Inventor	Lester F. Ludwig		
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Sheet	6	of 13	Attorney Docket Number	2738-21		

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	,
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	C12	Boss SE-70 Super Effects Processor Owners Manual, Roland Corporation, 7200 Dominion Circle, Los Angeles, CA 90040-3696, USA.	
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Signature		Considered	

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Shee	t 7	of 13		Attorney Docket Number	2738-21	

OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS								
Examiner Initials *	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.							
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT Filing Date Filing Date First Named Inventor Group Art Unit Examiner Name September 30, 2003 First Named Inventor Group Art Unit Examiner Name	Under the Paperwork Reduction Act of 1995, no persons	Complete if Known		
STATEMENT BY APPLICANT First Named Inventor Group Art Unit Examiner Name Lester F. Ludwig Examiner Name	Substitute for form 1449A/PTO	Application Number		
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		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS		
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STAT	TEMENT	BY A	PPLICANT	First Named Inventor	Lester F. Ludwig	
				Group Art Unit		
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Sheet	10	of	13	Attorney Docket Number	2738-21	

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	C56	RICH, ROBERT "Buchla Lightning MIDI Controller", Electronic Musician, Oct. 1991.	
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	C58	ROADS, C., "A Tutorial on Non-linear Distortion or Waveshaping Synthesis," Computer Music Journal, Vol. 3, No. 2, pp. 29-34, June 1979, People's Computer Company, Menlo Park, CA, USA.	
	C59	Robotic Tactile Sensig, Kirk Pennywitt, BYTE, Jan. 1986.	
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	C64	RUOFF, P. "How Bromate Oscillators Are Controlled", Am. Chem. Society, 1988.	
	C65	Sentient Six digital guitar interface, PASSAC, Milpitas, CA 95035, USA	
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	STAT	EMENT B	YA	PPLICANT	First Named Inventor	Lester F. Ludwig
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	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS						
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τ2				
	C67	SHAPIRO, LARRY S, Affine Analysis of Image Sequences, 1995, Press Syndicate of the Cambridge University Press.					
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	C70	Switchblade 16, Sound Sculpture, 5741 Arapahoe Rd. Ste. 2a Boulder, CO 80303, USA.					
	C71	Synthophone, Softwwind Instruments, 304 Newbury St. Ste. 323, Boston, MA 02155, USA.					
	C72	Tactile sensors and the gripping challenge, IEEE Spectrum Aug. 1985.					
	C73	The Fretless Wizard, Biaxe, P.O. Box 15426, Stamford, CT, 06901-0426, USA.					
	C74	Trilogy, Hipshot Music Prods. Van Nuys, NY, USA.					
	C75	TYSON, JOHN J., The Belousov-Zhabotinskii Reaction, Springer-Verlag, Berlin/Heidelberg, Germany.					
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	C77	Various 6D Tracking Products, Ascension Technology Corporation, PO Box 527, Burlingame, VT 05402, USA.					

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					Group Art Unit		
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	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS						
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²				
	C78	VERNER, J. Artif Starr Switch Company Ztar 624-D, Electronic Musician, Nov. 1994.					
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	C80	VIBERG, MATS, Subspace Fitting Concepts in Sensor Array Processing, Linkoping Studies in Science and Technology, 1989, Dissertations No. 27 Linkoping, Sweden.					
	C81	VISINTIN, A. (ed.), Models of Hysteresis, Longman Scientific & Technical, 1993, Harlow, En-gland.					
	C82	WANG, X-J, and NICOLIS, G. "Bifurcation Phenomena in Coupled Chemical Oscillators: Normal Form Analysis and Numerical Simulations", Physica 26D (1987), pp. 140-155, North-Holland, Amsterdam.					
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	C84	WILKINSON, SCOTT "SynchroVoice MidiVox" Electronic Musician, Jul. 1992.					
	C85	WINCKEL and FRITZ, Music Sound, and Sensation: A Modern Exposition, 1967, Dover, New York, USA.					
	C86	Wind Machine, Anatek, Creation Technologies, 400 Brooksbank Ave. B.C. Canada V7J-1G9					
	C87	WX11 and Wt11, Yamaha, 6600 Orangethorpe Ave., Box 6600, Buena Park, CA, USA.					
	C88	XSDR Al2 Synthesizer Module, KORG, Suginamiku, Tokyo, Japan.					

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C	Sheet	13	of	13	Attorney Docket Number	2738-21	

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	C89	Yamaha FS1R, Electronic Musician, Dec., 1998.				
	C90	Yamaha WX11 and WT11, Midi Magazine Mar./Apr. 1994.Yamaha Corp. of America, 6600 Orangethorpe Ave., PO Box 6600 Buena Park, CA 90622-6600, 714 522-9011.				
	C91	ZTAR Midi Fingerboard Controllers-Starr Instruments/Starr Switch, 1717 Fifth Ave., San Diego, CA 92101, USA.				
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